

BEST AVAILABLE COPY

2/24

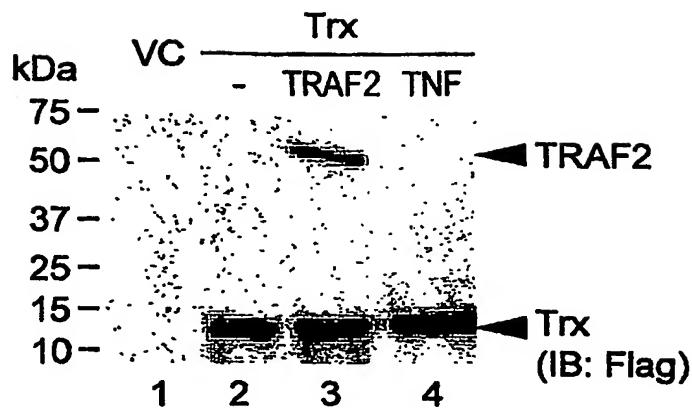


FIG.2A

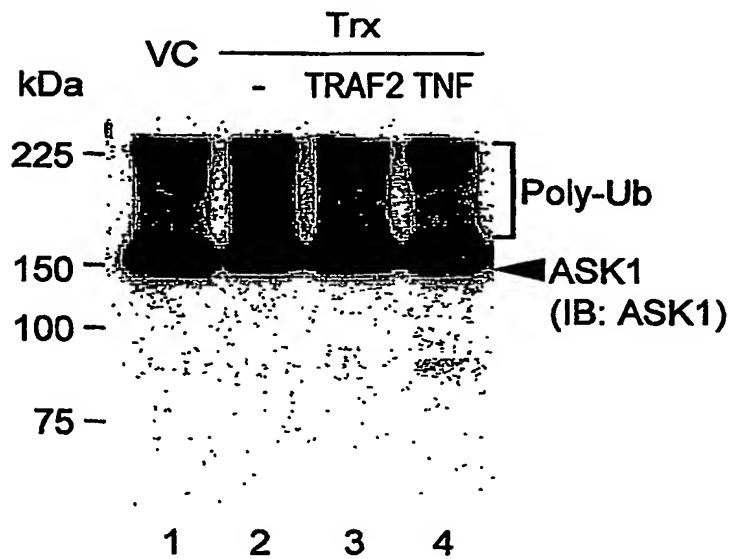


FIG.2B

3/24

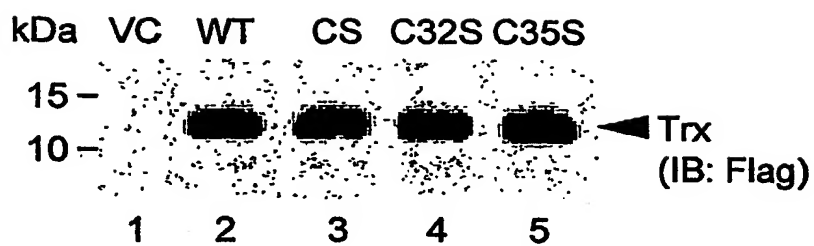


FIG.3A

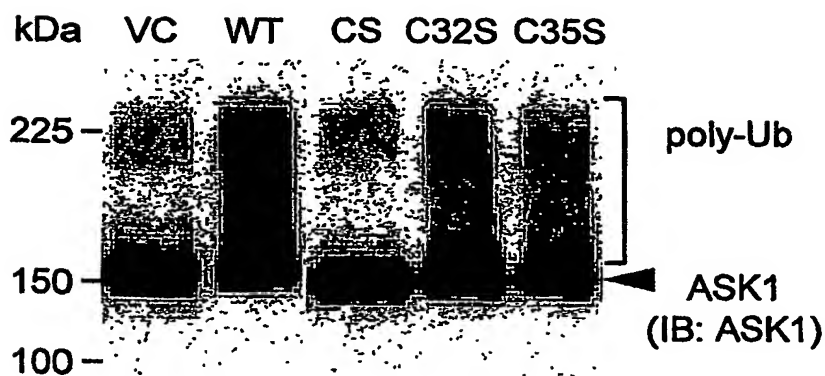


FIG.3B

4/24

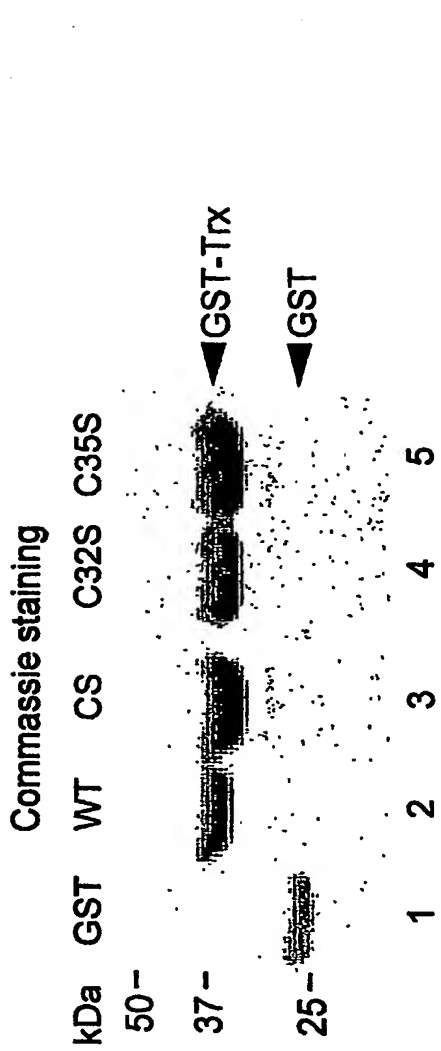


FIG.4A

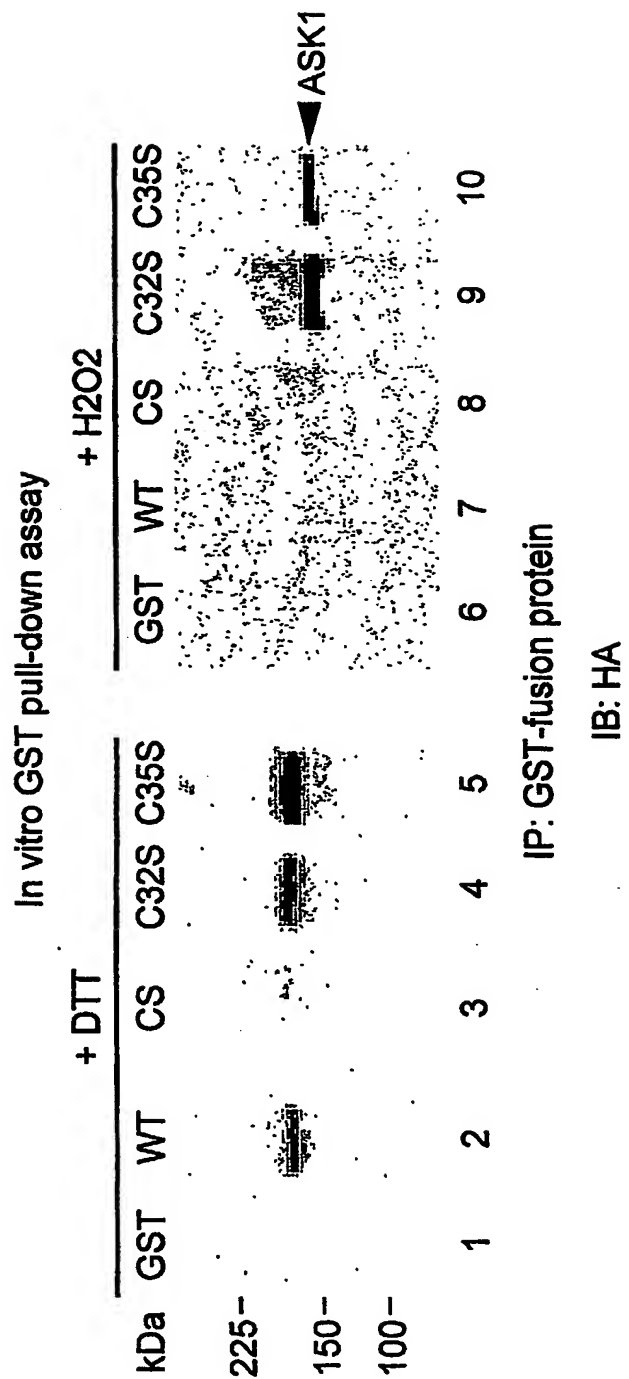


FIG.4B

5/24

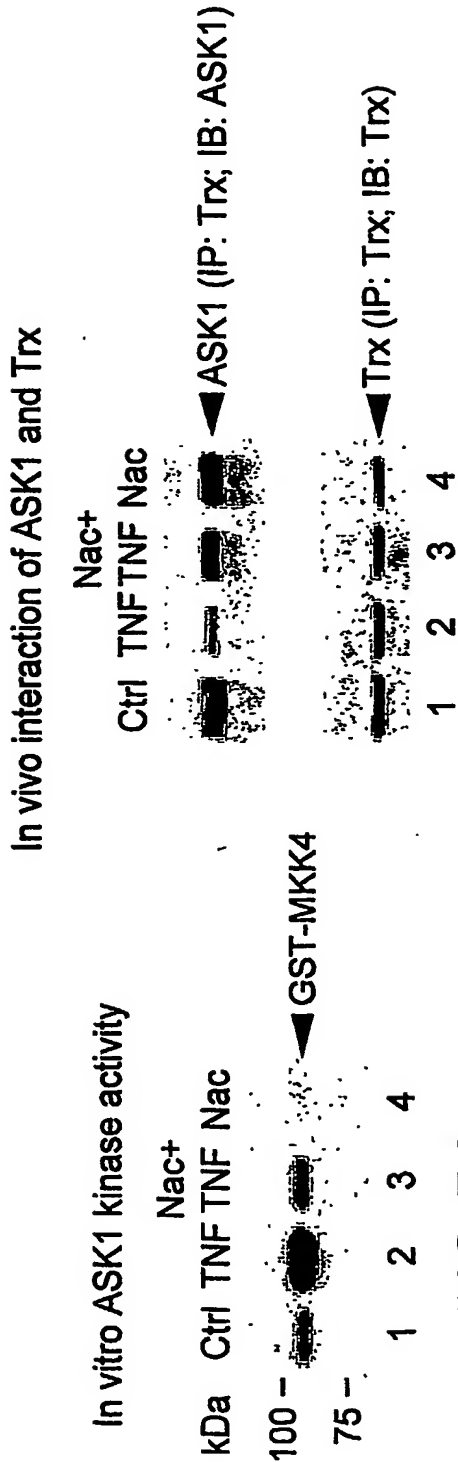


FIG.5B

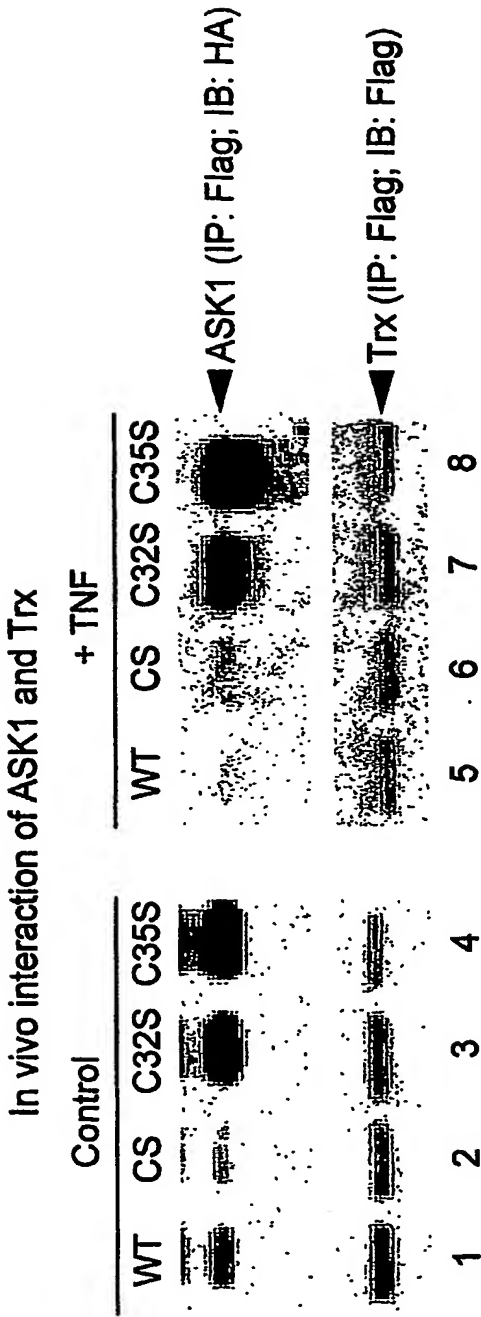


FIG.5C

6/24

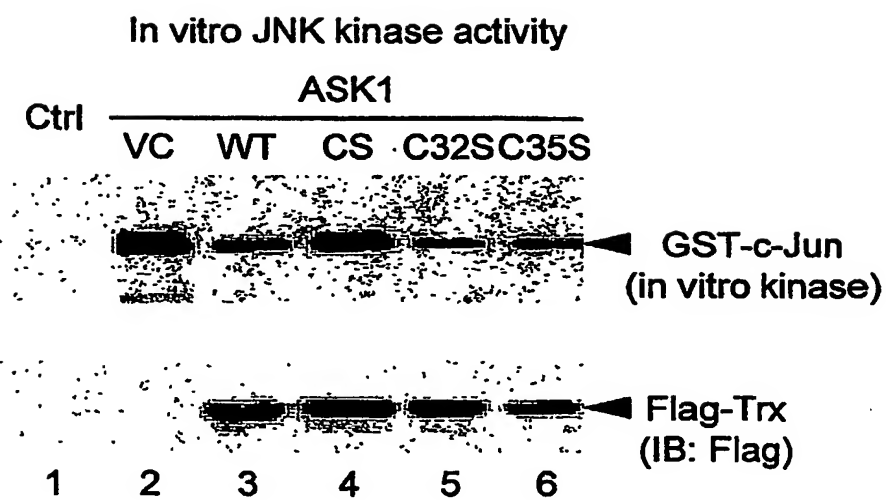


FIG.6A

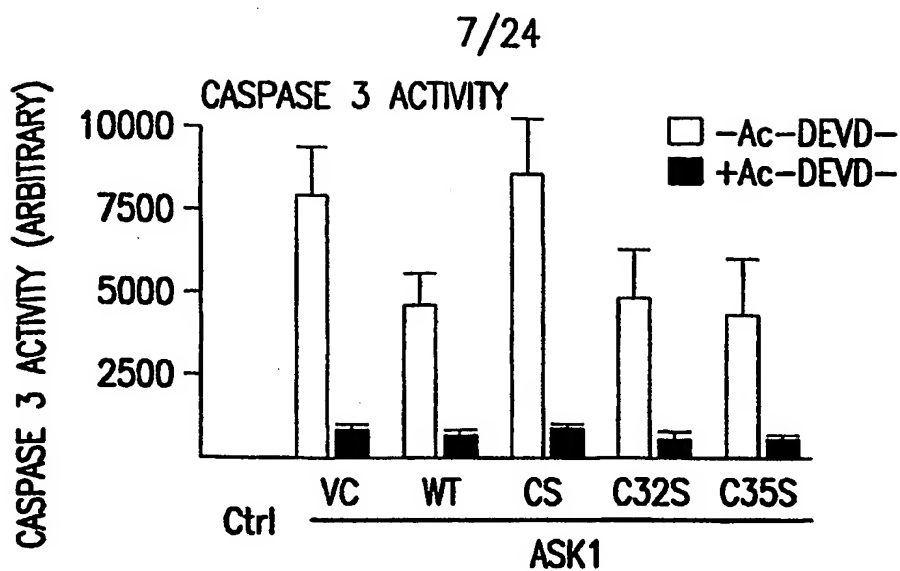


FIG.6B

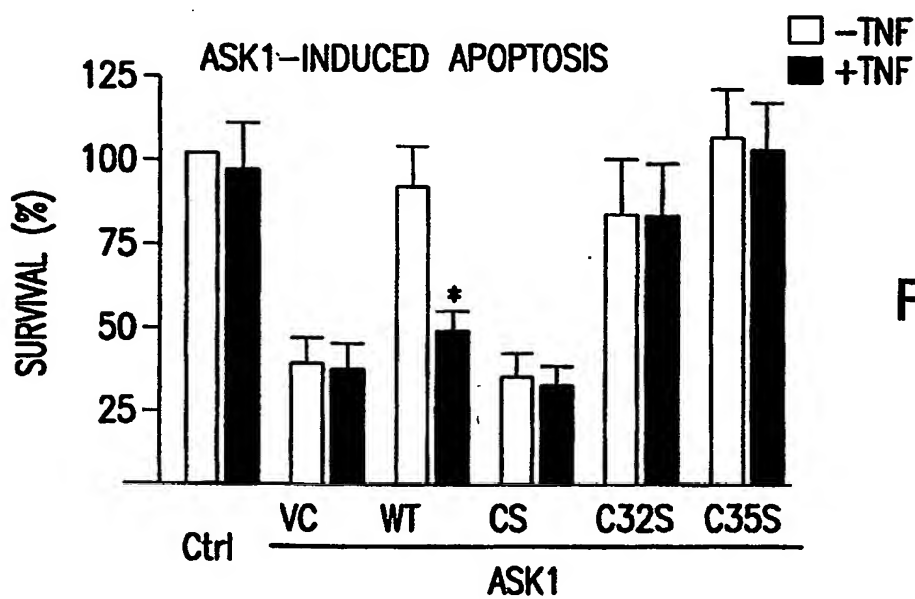


FIG.6C

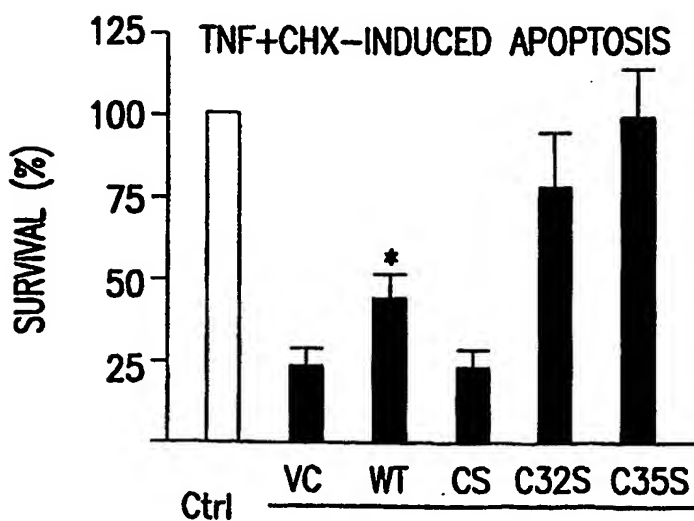
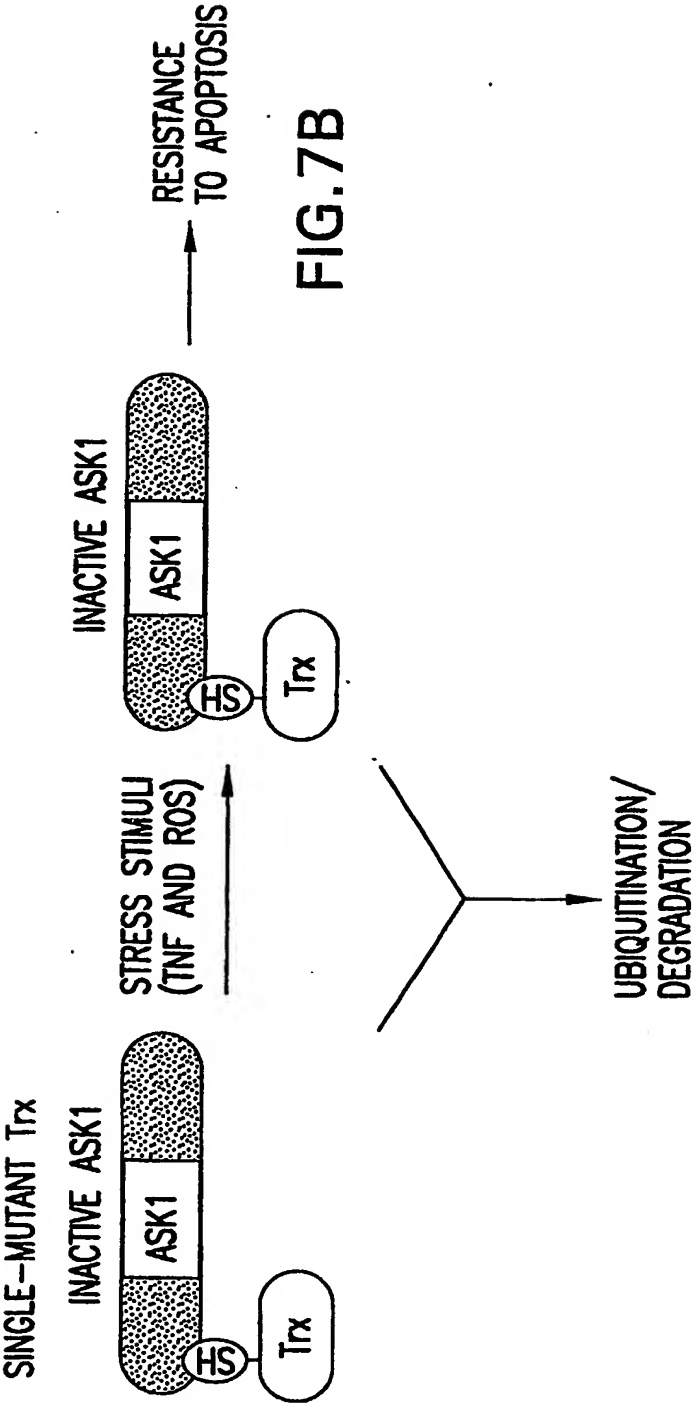
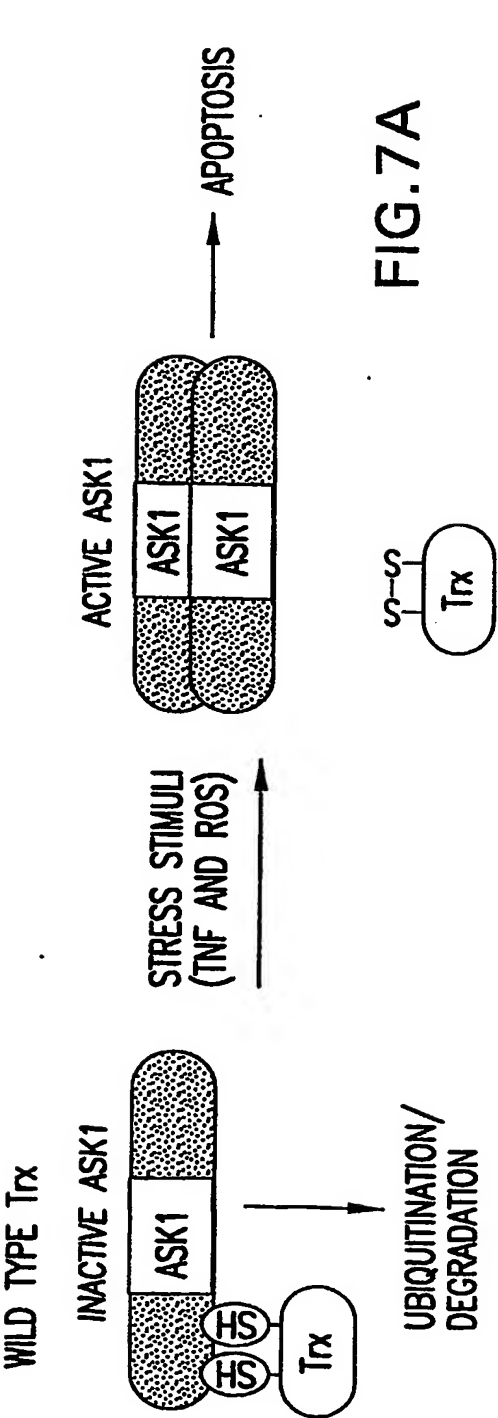


FIG.6D

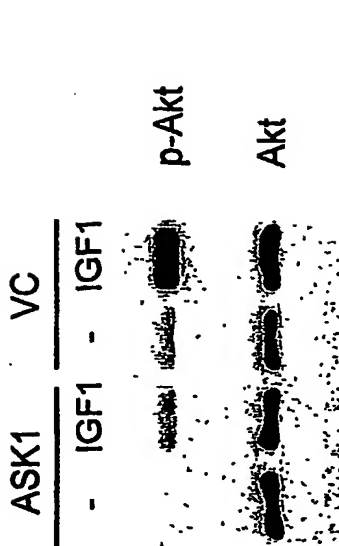
8/24



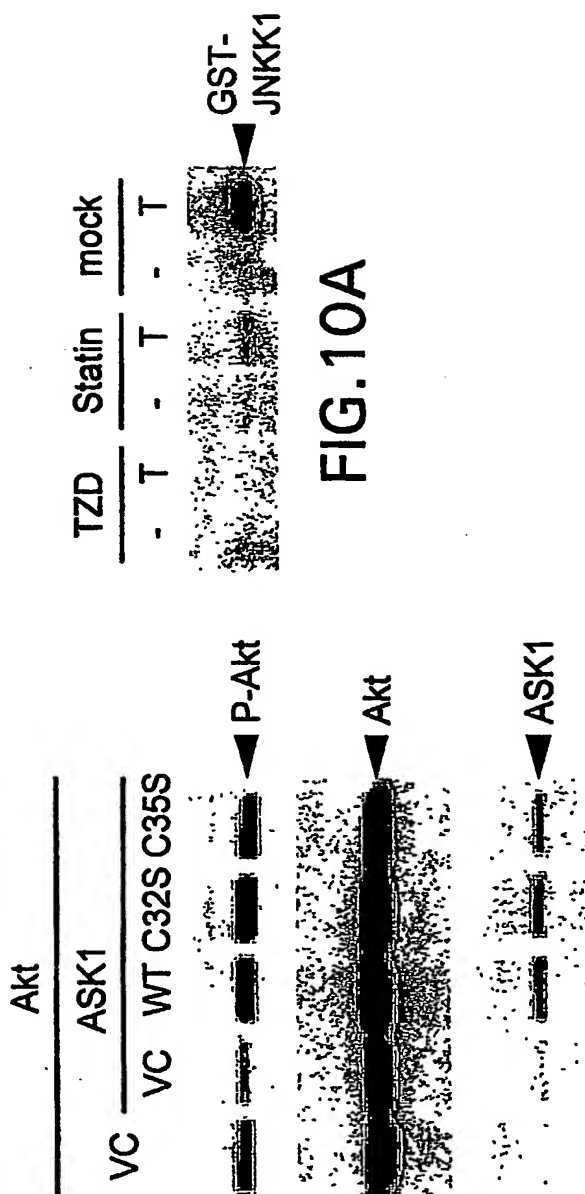
9/24



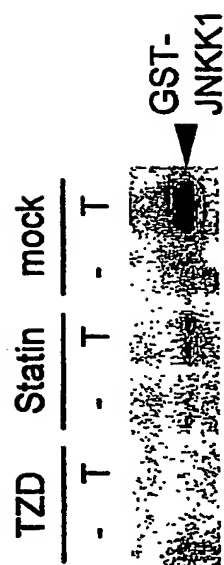
**FIG. 8A**



**FIG. 8B**



**FIG. 9**



**FIG. 10A**

10/24

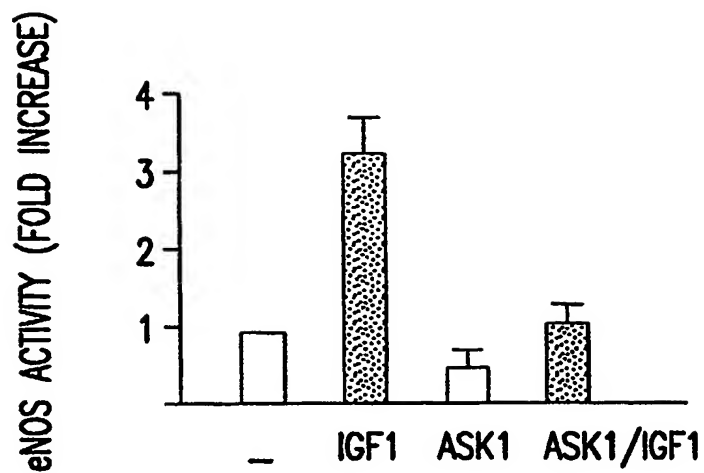


FIG.8C

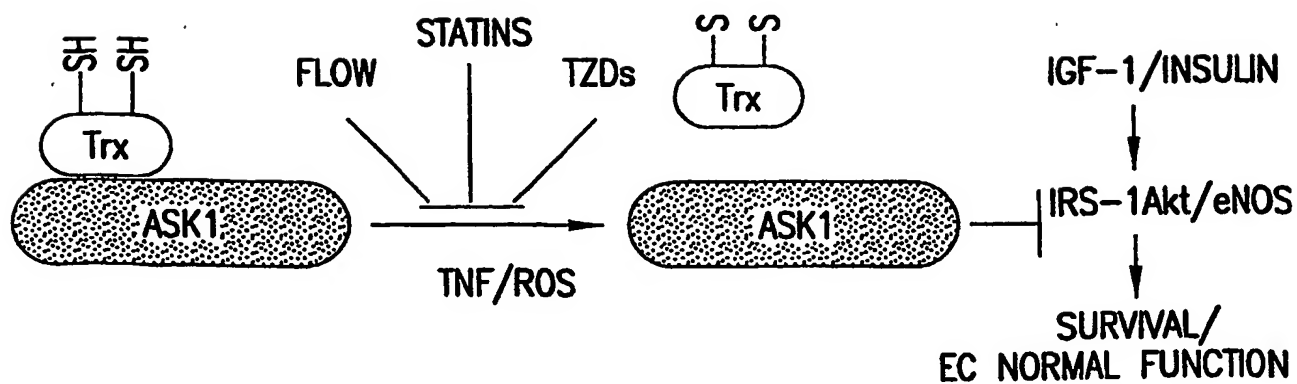


FIG.10B

11/24

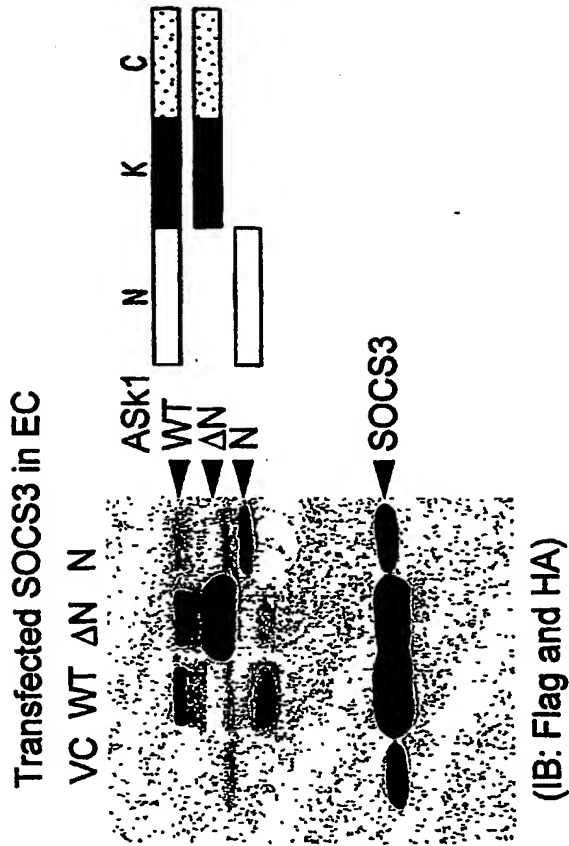


FIG.11B

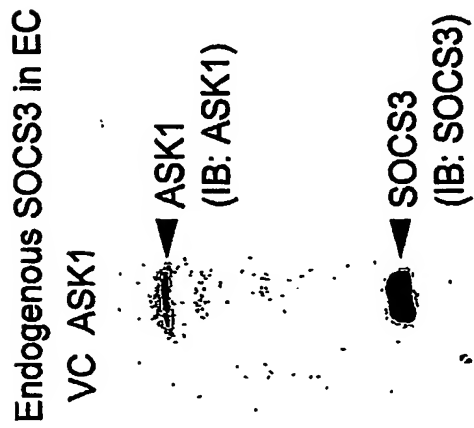


FIG.11A

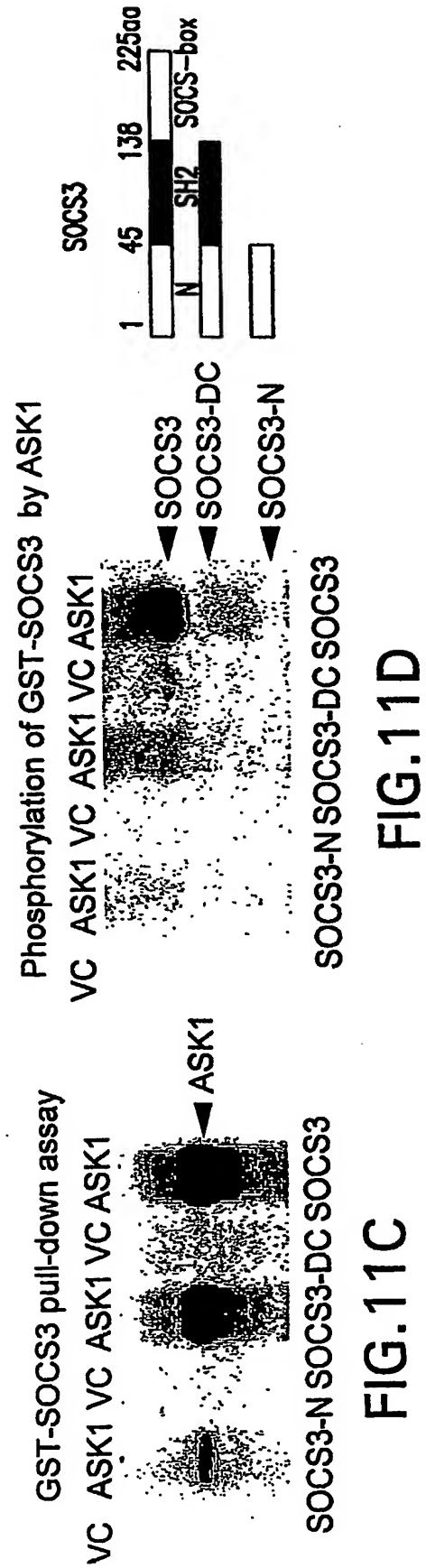


FIG.11C

FIG.11D

12/24

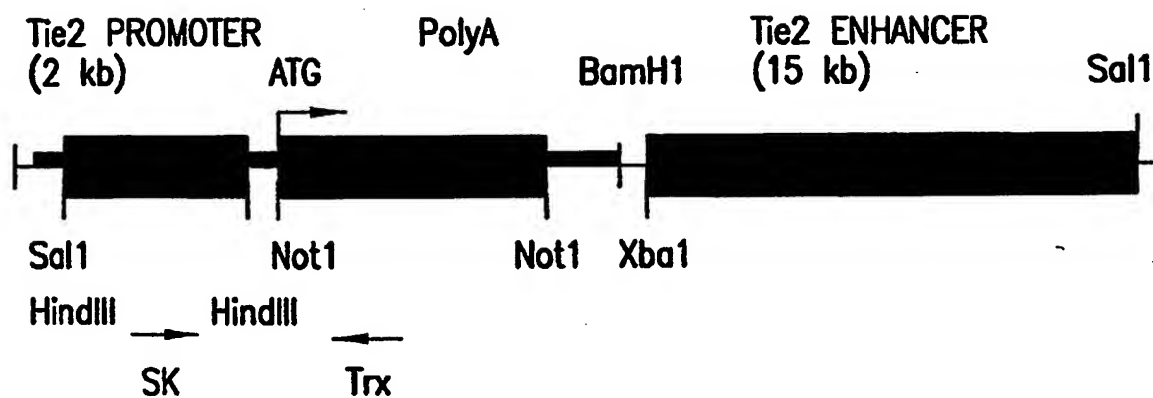


FIG.12A

13/24

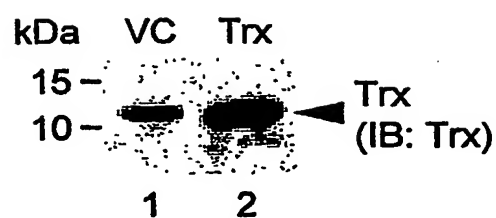


FIG.12B

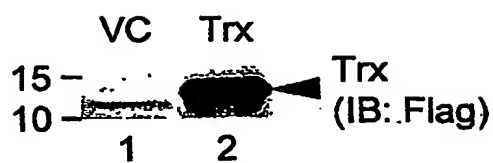


FIG.12C

14/24

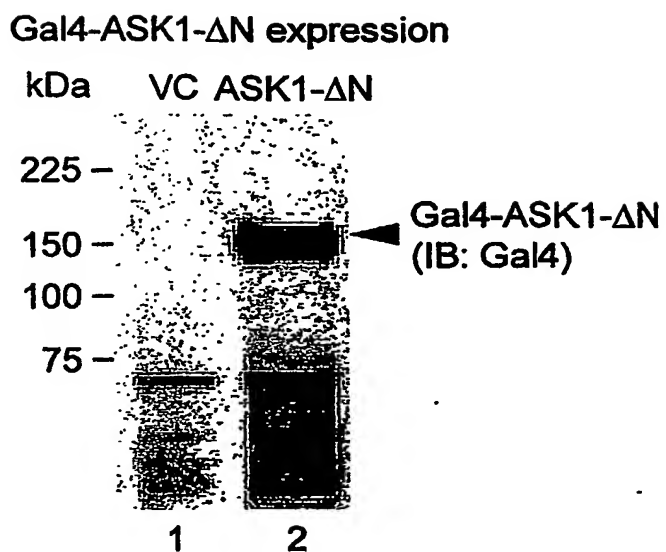


FIG.13A

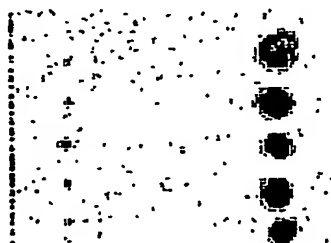
Interaction of ASK1- $\Delta$ N with cTnT in yeastVC/cTnT ASK1- $\Delta$ N/cTnT

FIG.13B

15/24

## ASK1 DOMAINS AND EXPRESSION CONSTRUCTS

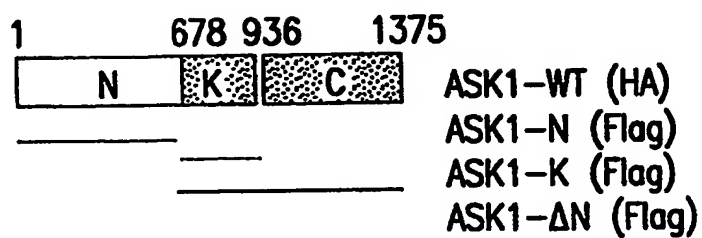


FIG.14A

16/24

## In vitro Interaction of ASK1-WT with cTnT

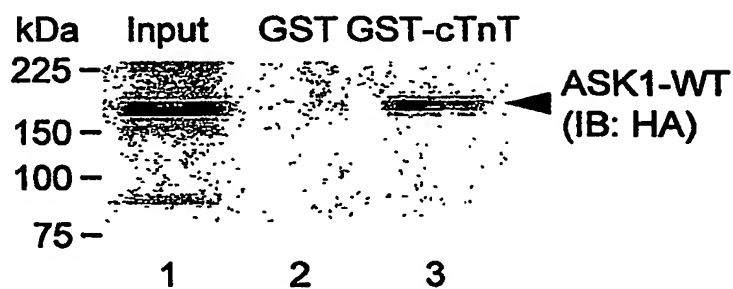


FIG.14B

## The C-terminal domain of ASK1 associates with c TnT in vitro

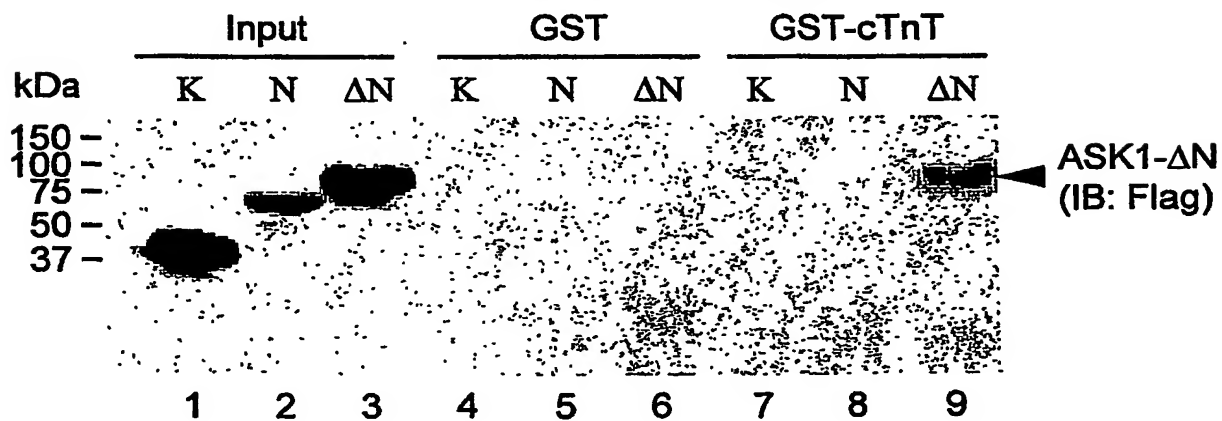


FIG.14C

17/24

## Transfection of ASK1-WT and cTnT in 293T

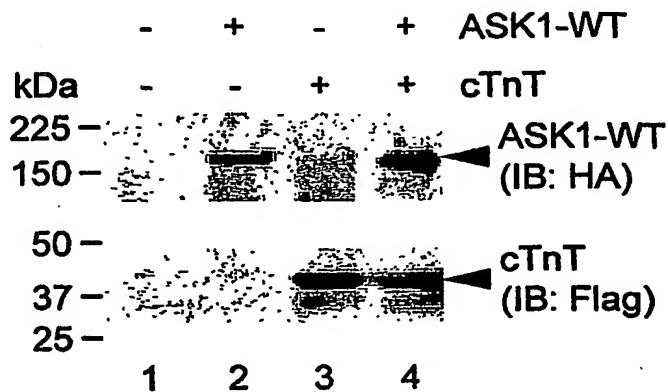
Transfected Plasmids

FIG.15A

IP: Flag

## Interaction of ASK1-WT and cTnT in 293T

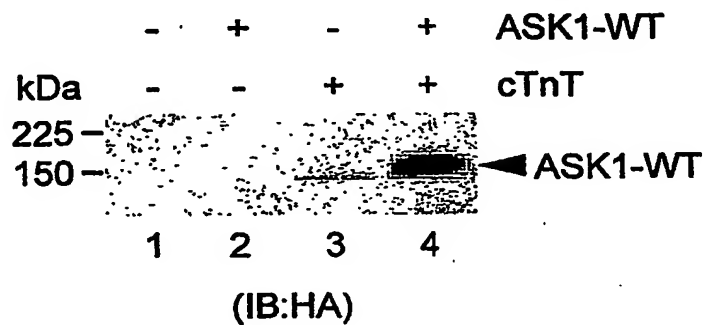


FIG.15B

IP: HA

## Interaction of ASK1-WT and cTnT in 293T

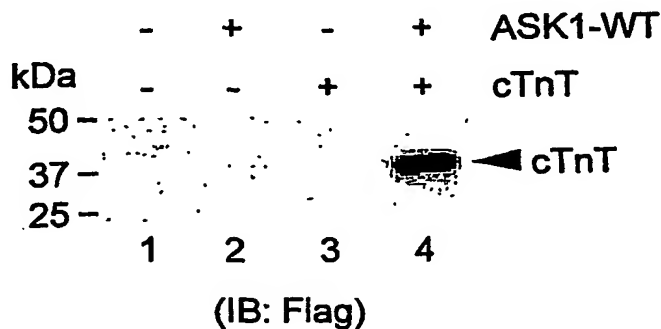


FIG.15C

18/24

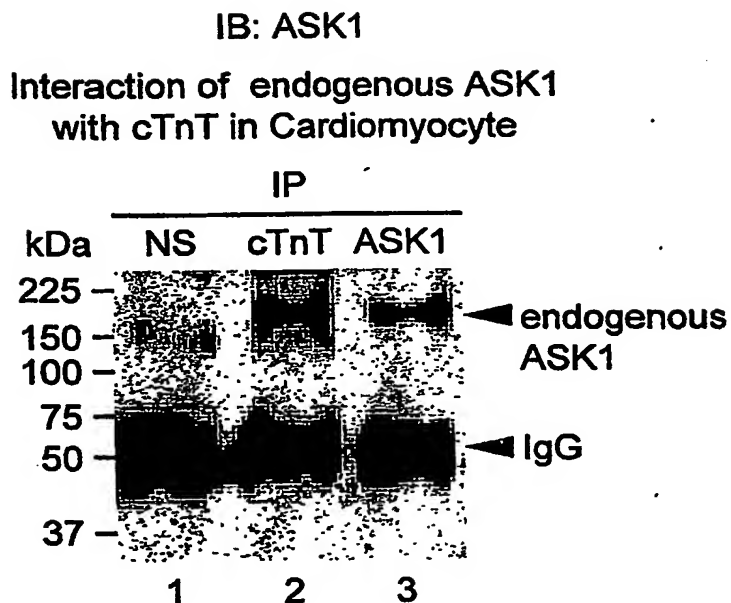


FIG.16A

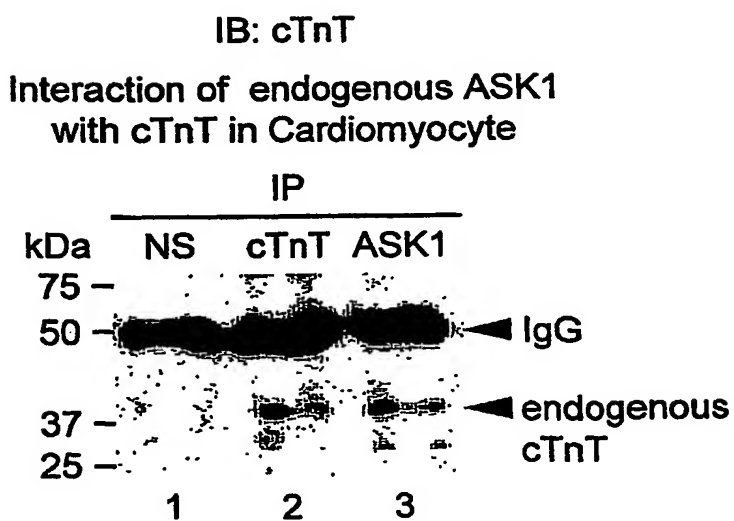


FIG.16B

19/24

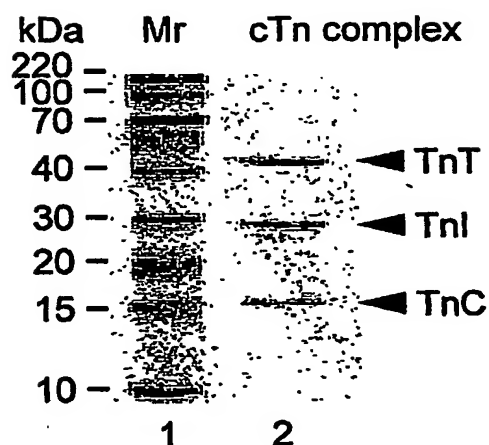
Coomassie staining  
(15% SDS-PAGE)

FIG.17A

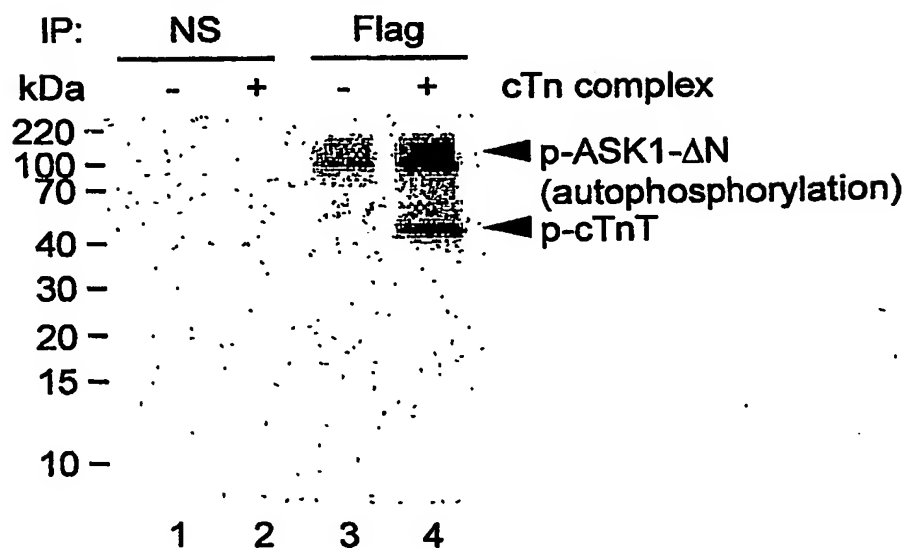
In vitro kinase activity  
(15% SDS-PAGE)

FIG.17B

20/24

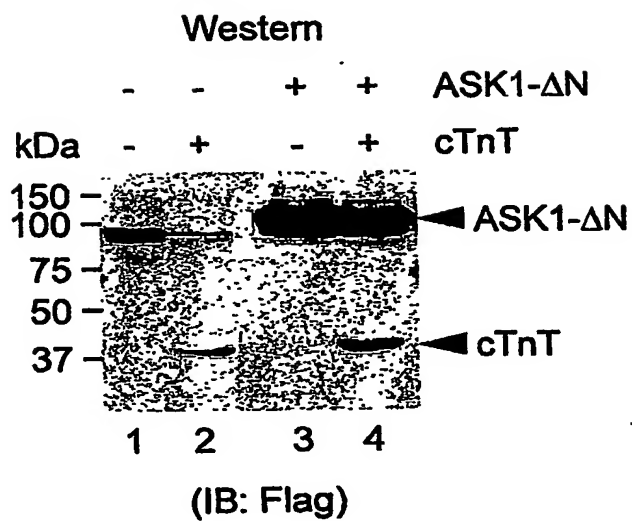


FIG.18A

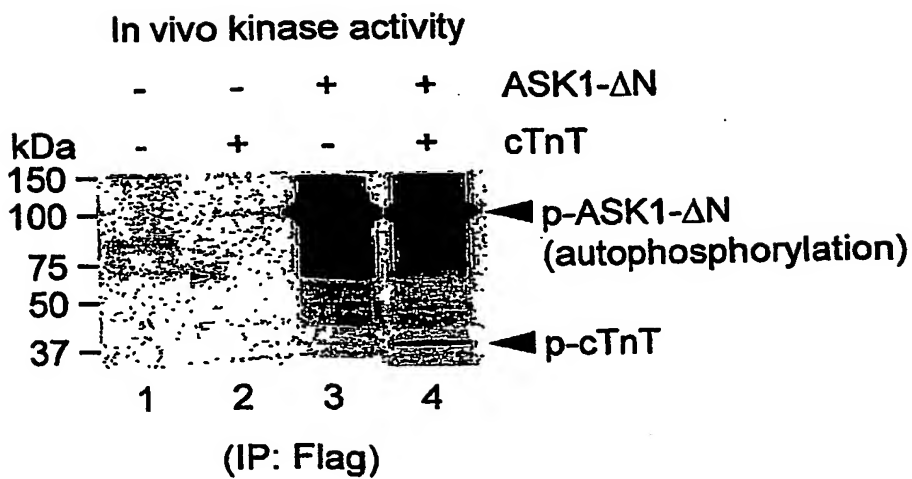
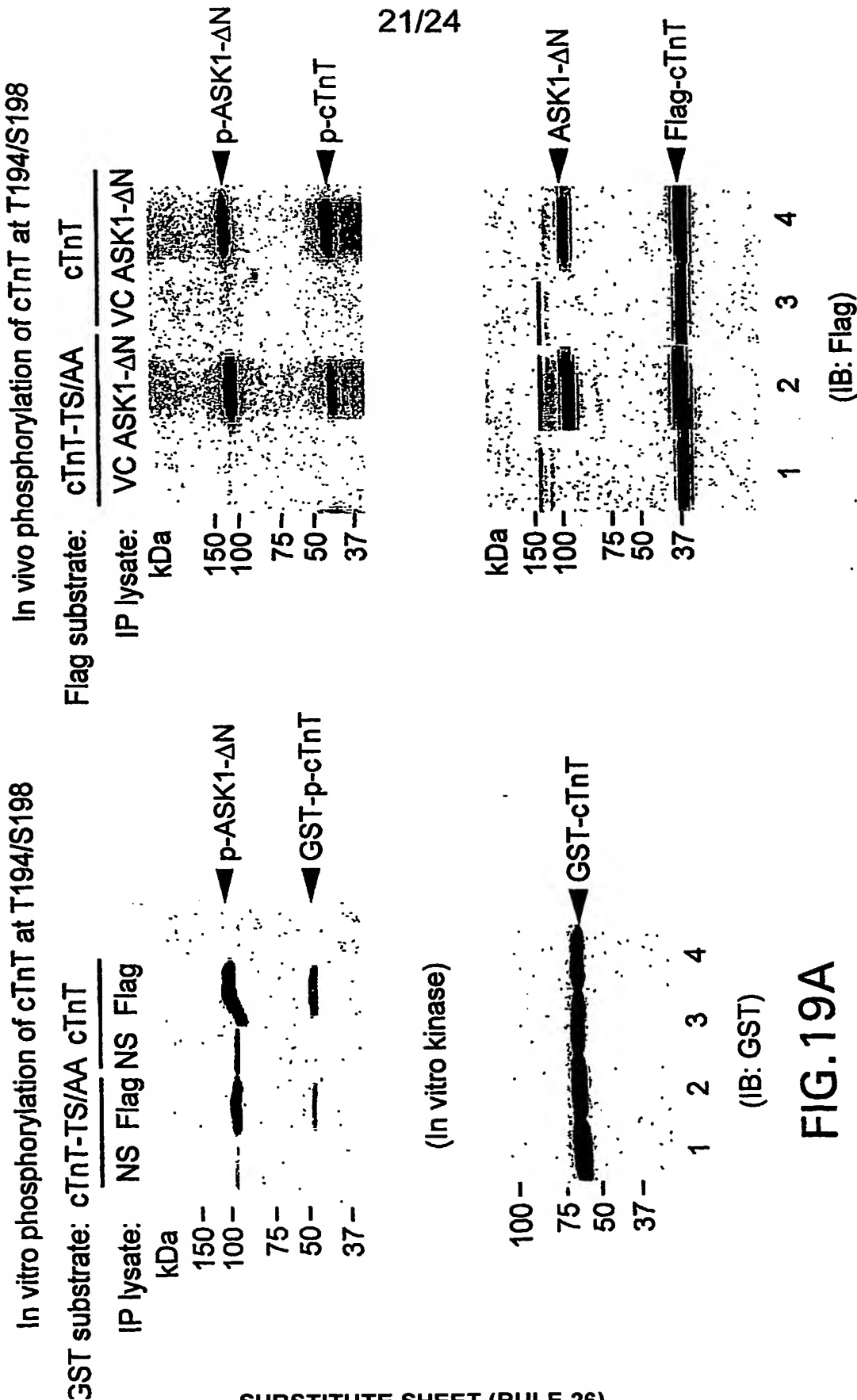


FIG.18B



22/24

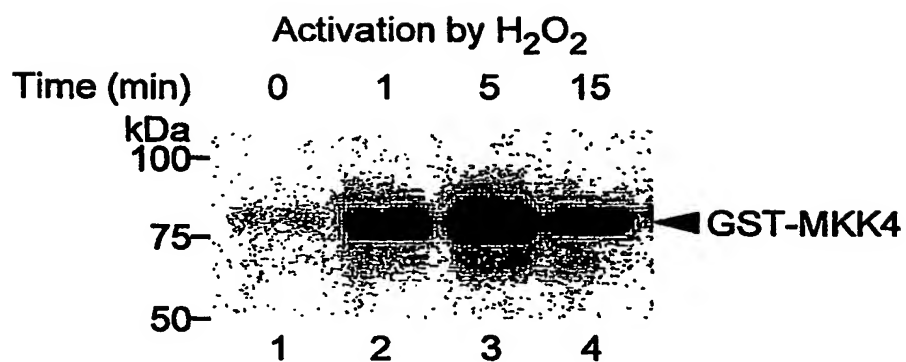


FIG.20A

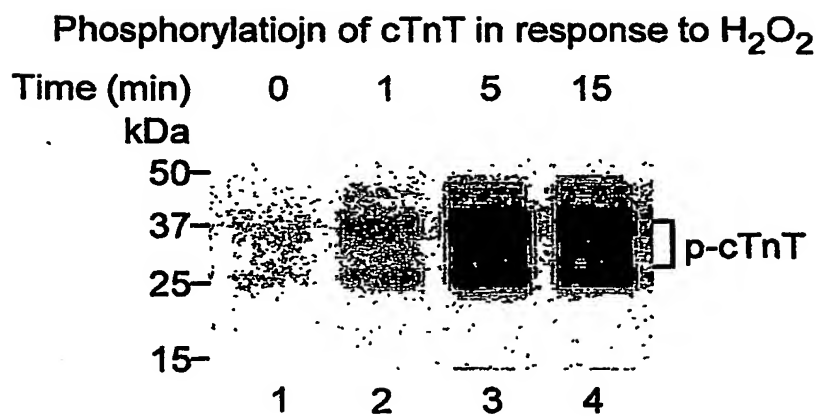


FIG.20B

23/24

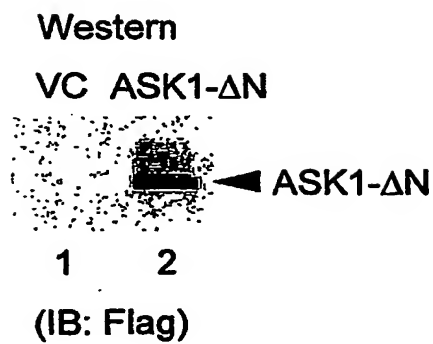


FIG.21A

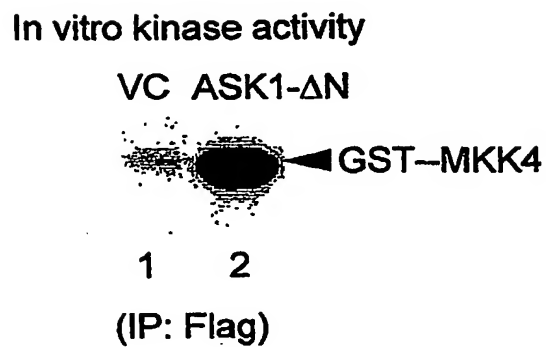


FIG.21B

CARDIOMYOCYTE CONTRACTION IN ASK1-EXPRESSING CELLS

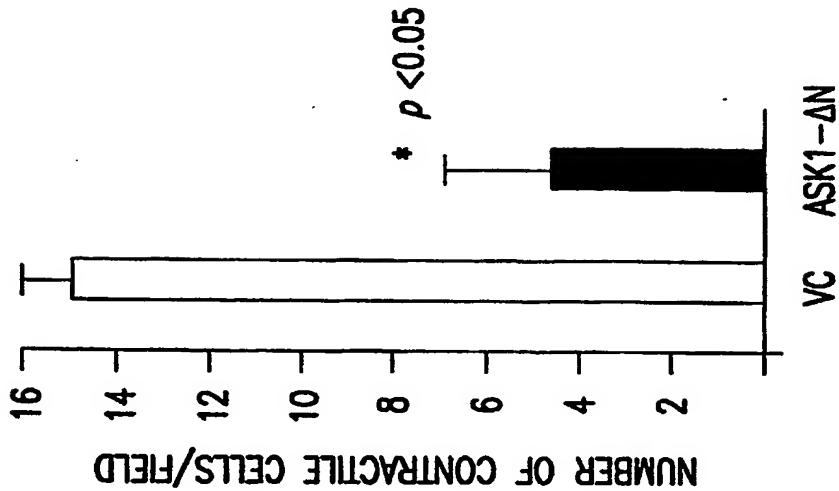


FIG.21D

Ca<sup>2+</sup> -STIMULATED MgATPase ACTIVITY

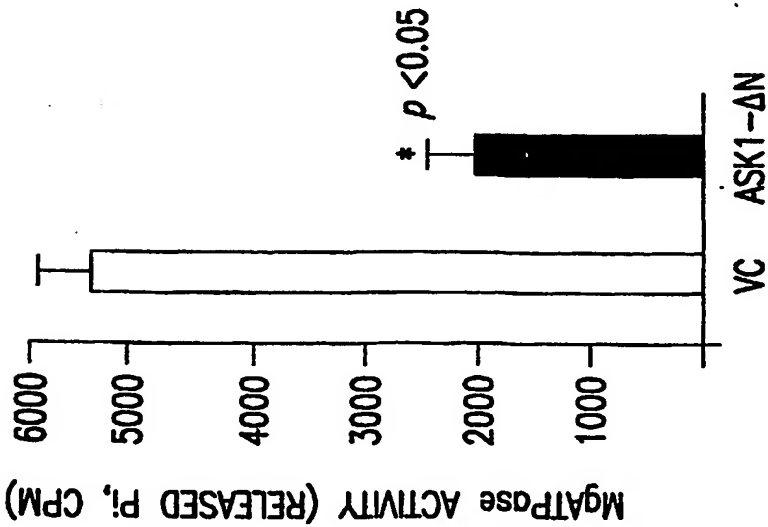


FIG.21C

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS

☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☐ FADED TEXT OR DRAWING

☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**